

# Alice Hong

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## EDUCATION

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**Carnegie Mellon University** | May 2024

B.S. in Information Systems

GPA 3.58 / 4.0, Dean's List (Fall 2020, Spring 2021)

Relevant Coursework (\*currently taking):

Database Design and Development, Application Design and Development\*, Programming Usable Interfaces\*

## EXPERIENCE

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**Teaching Assistant** | Dec 2021 - Present

*Carnegie Mellon University, Pittsburgh, PA*

- Clarify concepts in weekly recitations, office hours, review sessions, and individual tutoring for a 50+ student course (15-112: Fundamentals of Programming and Computer Science)
- Lead review of student-facing course content and provide detailed feedback to staff before release
- Guide students with little to no experience in programming in developing clean, efficient solutions to problems
- Assist in additional tasks needed to run the course for a total of 10-15 hours/week

**Web Developer** | Sep 2021 - Dec 2021

*re:Bloom, Pittsburgh, PA*

- Built a website from ideation to implementation for a local small business using Thinkific, HTML
- Created lo-/mid-fidelity wireframes in Figma to redesign the website from scratch
- Collaborated in a 4-person team to ideate and analyze website features in order to best suit the client's business needs and user demographics
- Reorganized existing website content to better communicate product information to users using design conventions

## PROJECTS

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**COVID Care** | Spring 2022 (ongoing)

*User Interface Designer and Developer*

- Design and program an improved COVID-19 testing appointment scheduler for Carnegie Mellon University
- Iterated through several designs after performing user testing and using heuristic evaluation
- Designed a high-fidelity wireframe on Figma with interaction and animation
- Program the interface using HTML/CSS, JavaScript, utilize Github

**Bakery Outlet Application** | Spring 2022 (ongoing)

*Application Designer and Developer*

- Utilize MVC framework to develop a website application using Ruby on Rails
- Focus on test-driven development to build validations, scopes, and methods

**Yelp Database** | Fall 2021

*Database Designer and Developer*

- Designed a mock database based on user stories for Yelp
- Incrementally developed the database from conceptual, relational, and physical model to SQL queries
- Normalized the database design to adhere to BCNF
- Implemented functions using pgpsql, psycopg2 in Python

## SKILLS

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Programming Languages: Python, C, HTML/CSS, JavaScript (jQuery, Bootstrap), Ruby, SQL

Software: Git, Linux

Languages: English, Conversational Korean